

U.S. Army Influenza Activity Report

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to enlarge.

Week Ending 7 April 2012 (Week 14)

All data are preliminary and may change as more reports are received.

2011-2012 Seasonal Influenza Vaccination Coverage

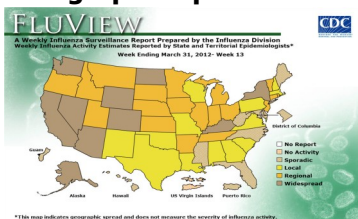
As of 04 APR 2012

97%	DOD
97%	Army Active Duty
92%	Army Guard
84%	Army Reserve

SYNOPSIS: Influenza activity appears to be decreasing and overall activity remains lower than last year.

- **Viral specimens:** During week fourteen, 117 specimens were submitted for testing, of which 31 were positive for respiratory disease. Influenza A was identified in 12 (39%) of these positive samples.
- **Influenza cases:** 740 influenza cases have been reported in DRSI through week fourteen of the 2011-2012 season. Nineteen (3%) were reported with onset dates in week 14.
- **Army MEDCEN & reporting trend:** Influenza A and RSV were the most commonly identified respiratory pathogens within the previous 4 weeks, accounting for 46% and 23% of positive specimens, respectively.

Geographic Spread

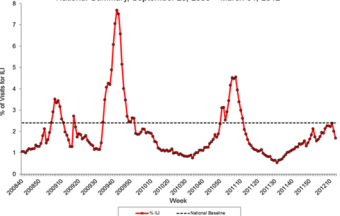


United States

- Widespread influenza activity was reported by ten states (AK, AZ, CA, CO, KY, NV, NY, ND, WA and WY).
- Nineteen states reported regional activity (AR, CT, ID, IL, IN, IA, KS, MI, MN, MT, NE, NJ, OH, OR, RI, SD, TN, UT, and VT).
- Local influenza activity was reported by thirteen states (AL, GA, LA, MA, MO, NH, NM, OK, PA, SC, TX, VA, and WI).
- The remaining states and territories reported sporadic cases or no influenza.

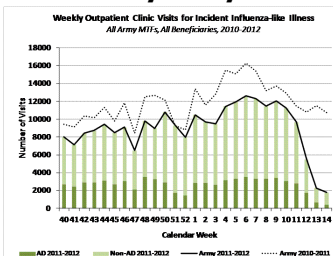
ILI Activity United States

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, September 28, 2008 – March 31, 2012



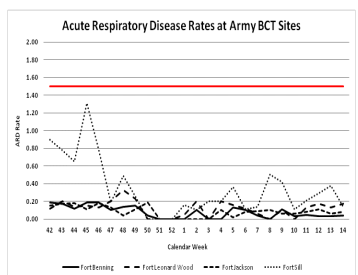
- For week thirteen (2012), 1.7% of outpatient visits reported through ILINet were due to influenza-like illness (ILI).
- This percentage is below the national baseline of 2.4%.

ILI Activity Army



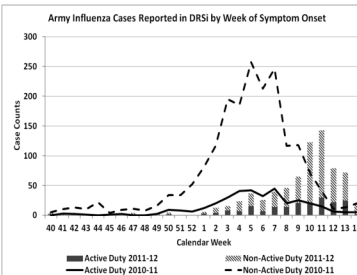
- Visit counts decreased sharply since 21 March (Week 12); however, the decrease coincides with gaps experienced by ESSENCE with loading medical encounter data from sites within the DoD.

Acute Respiratory Disease Surveillance



- ARDS rates are lower at all BCT sites for 2012 compared to 2011.
- According to the Naval Health Research Center, the proportion of febrile respiratory illness cases positive for adenovirus has noticeably decreased since the vaccine was reintroduced to the BCT population in November 2011.

DRSi Influenza Case Reporting



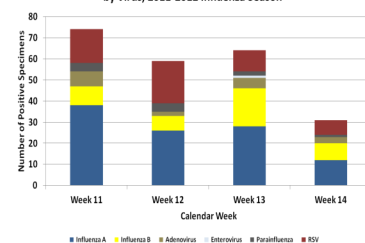
- 740 cases (19 with onset dates in week 14) have been reported in the 2011-2012 season.
- Two-hundred one (27%) cases were among active duty Soldiers and 539 (73%) were among dependents.
- Fifty-two (7%) cases required hospitalization.

Army Laboratory Testing

Army MEDCEN Laboratory Results					
Test Result	Week 11	Week 12	Week 13	Week 14	Total
Influenza A	38	26	28	12	104
Influenza B	9	7	18	8	42
Adenovirus	7	2	5	3	17
Enterovirus	0	0	1	0	1
Parainfluenza	4	4	2	1	11
RSV	16	20	10	7	53
Negative	396	222	167	117	902
Total Results	470	281	231	148	1130

- In the last 4 weeks, 228 (20%) of the 1,130 samples submitted were positive for a respiratory disease organism.
- Influenza A accounted for 46% of positive specimens in the last four weeks and 43% of positive samples in week fourteen.
- RSV, parainfluenza, and adenovirus accounted for 23%, 5% and 7% of all positive samples in the last four weeks, respectively.
- Six MEDCENS (Ft. Belvoir, Ft. Bragg, Ft. Hood, Ft. Lewis, Ft. Sam Houston, and Tripler) submitted reports for week fourteen (2012).

Positive Respiratory Specimen Results from Army MEDCENS by Virus, 2011-2012 Influenza Season



Additional Resources: CDC; AFHSC Influenza Reports; Army Influenza Reports; ARD Reports; NHRC FRI Reports ; DoD Global Influenza Surveillance Program; DoD Pandemic Influenza Watchboard

Key: ILI - Influenza-Like Illness; DRSI- Disease Reporting System Internet; ARD - Acute Respiratory Disease; NHRC - Naval Health Research Center; ADV - Adenovirus; RSV - Respiratory Syncytial Virus

Questions?

<http://phc.amedd.army.mil>